Health Effects Assessment Tool (HEAT): An Innovative Guide for HIA in Resource Development Projects

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Purpose: To help HIA practitioners and others anticipate the full range of community health effects that may be associated with Resource Development projects (e.g., oil & gas, mining, dams, etc.)

Approach: To help HIA practitioners and others anticipate the full range of community health effects that may be associated with Resource Development projects (e.g., oil & gas, mining, dams, etc.)

How the HEAT tool works

RD projects are broken down into 11 common components:

- Land Acquisition
- Transportation
- Workforce
- Labour and Procurement
- Taxes / Royalties
- Resource Use
- Waste
- Fugitive Dust & Air Emissions
- Chemicals & Hazardous Materials
- Project Infrastructure & Equipment
- Project Security

Each project component is linked with health effects, taking into account:

Contextual factors (pre-existing local conditions)

Project-specific factors (how the project is developed or managed)

Intermediate risks / outcomes

Potential health effects

EXAMPLE: Workforce

Note: This example deals with the presence of an imported workforce. Effects associated with local labour and procurement strategies are addressed as a separate component.

<table>
<thead>
<tr>
<th>Project Component: WORKFORCE</th>
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<tr>
<td><strong>Contextual Factors</strong></td>
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<tr>
<td>Size of local community within the project’s area of influence</td>
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<td>Experience with the presence of foreign or outside workers</td>
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<td>Local socioeconomic conditions (e.g., income, poverty levels)</td>
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<td>Existing disease profile among the local population, including STIs and other communicable diseases</td>
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<td>Existing health conditions of people most likely to be affected and their ability to adapt to the effects generated</td>
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<td>Religious and cultural influence on family structure, sexual health and risk-taking behaviours</td>
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<td>Capacity of local health care system (including NGOs and other organizations)</td>
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Find it online at: hiagateway.org.uk
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